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(54) **DETECTING A TOUCH INPUT TO A SURFACE**

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(57)

ABSTRACT

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A device for detecting a touch input to a surface comprises at least one radar transmitter component configured to transmit electromagnetic radiation in a radio frequency spectrum. The device further comprises at least one radar receiver component configured to receive a portion of the electromagnetic radiation reflected by an object performing the touch input to the surface. The device further comprises a control module configured to receive information related to the portion of the electromagnetic radiation received by the at least one radar receiver component. The control module is further configured to detect the touch input to the surface based on the information related to the portion of the electromagnetic radiation received by the at least one radar receiver component.

